



Date: \_\_\_\_\_

## Experiment No. 7.

Aim:- Setting up multi server & web client, email client & DNS

### Theory:-

#### [a] Web client -

A web client is an application that communicates with web server, using objective of web server is store, process & deliver web-pages to the user. web browser is an example of web-client.

#### [b] Email -

An email client is used to access manage or send emails. It provides user interface allows them to view or organize their email message. Email client can be stand alone application, web based application or mobile application.

### Procedure:-

1. Open Cisco Packet Tracer

2. Drag & Drop Devices:

drag & drop one cisco 2960 switch, one Cisco server (2901) & four PCs onto the workspace

3. Connect PCs to switch:

Connect all four PCs to the Cisco 2960 Switch using Ethernet cables



Date \_\_\_\_\_

#### 4. Configure IP Addresses:

Configure static IP addresses for each PC:

- PC1 (web client 1): 192.168.1.2
- PC2 (web client 2): 192.168.1.3
- PC3 (web client 1): 192.168.1.4
- PC4 (web client 2): 192.168.1.5

#### 5. Config : DNS Server (server PT)

- Enter Cisco server's console & configure it with static IP address for ex. 192.168.1.1

#### 6. Create DNS Record

Create web server & email server

ex. (i) www.asha.com

(ii) mail.example.com

#### 7. Configure DNS client

- Enter DNS client PC & set its DNS server IP address to address of DNS server

#### 8. Set up web & Email server

9. Configure web & Email clients on PC1 & PC2, set web browsers to access web server by typing www.example.com in address bar.

On PC3, configure Email clients to send & receive emails from mail.example.com.



Date: \_\_\_\_\_

10. Test Connectivity

11. Verify Functionality

Conclusion:- Web client, Email client & DNS setup successfully



